

Work Order ID 117922

Monday, May 05, 2014 1:58:34 PM

117922

Page 1

Item ID: D5073-1

Revision ID:

Item Name: Snap Ring

Start Date: 5/7/2014 Start Qty: 25.00

Required Date: 5/7/2014 Req'd Qty: 25.00

Reference:

Accept

N900040100Setup Start ***NS1***Stop ***NS2***

Cust Item ID:

Customer:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5073

A

110

0.00

110

Purchasing

Purchasing

Memo

Issue P/O: 24081


Discription: Snap Ring

Supplier: McMasterCarr

Supplier P/N: 91985A131

C OF C note is required.

0.00

 **DAS**
42
9-89 MAY 06 2014

120

Receive & Inspect for Damage & Mat'l Certs

0.00

120


Packaging

Packaging

Memo

C OF C note is required.

0.00

 **DAS**
42
9-89 MAY 06 2014

Work Order ID 117922

Monday, May 05, 2014 1:58:34 PM

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Page 2

Item ID: D5073-1

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Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____

QC: _____ Date: _____

Tooling: _____ Date: _____

SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC6- Inspect dimensions to drawing

0.00

130

QC

Memo

0.00

Quality Control

**DAS**
42
9-89

MAY 06 2014

140

Identify as per dwg & Stock Location: _____

0.00

140

Packaging

Memo

0.00

Packaging

**DAS**
42
9-89

MAY 06 2014

150

QC21- Final Inspection - Work Order Release

0.00

150

QC

Memo

0.00

Quality Control

Picklist Print

Page 1

Monday, May 05, 2014 1:59:00 PM

Work Order ID: 117922

117922

Parent Item: D5073-1

D5073-1

Parent Item Name: Snap Ring

Start Date: 5/7/2014

Required Date: 5/7/2014

Start Qty: 25.00

Required Qty: 25.00

Comments: IPP REV:A 14.04.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
91985A131		Purchased		No			Each	0.0000		25			
91985A131									**				
Snap Ring													

DAS
42
9-89

MAY 06 2014



Purchase Order
PO24081

Page 1 of 1

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
823 McTavish Rd NE
Calgary AB T2E 7G9
Canada
Attention: Harvey Siemens

Order Placed By
Chantal Lavoie

05/05/2014

McMaster-Carr Number
3412848-01

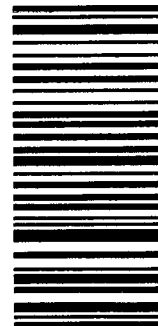
Line	Description	Ordered	Shipped			
1	91985A131 Steel Spiral Internal Retaining Ring, for 5/8" Bore Diameter, Packs of 25	1 Pack	1	3 - 325 - 03	03 - 06 A131	1 PK 1

Dart Aerospace Ltd

INV

Sm

Boxed Bin
Straight

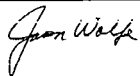


1 lb
1 line

FW1BSP42
05/05/2014
13:19/13:57
030
Cycle 51



McMaster-Carr Supply Company 200 Aurora Industrial Pkwy Aurora, OH 44202-8087 USA Phone: 330-995-5500 Fax: 330-995-9600 E-Mail: cle.sales@mcmaster.com Employer Identification Number (EIN): 36-1458720		Invoice: 83668567 Purchase Order: PO24081 Release: McMaster-Carr Number: 3412848-01		ORIGINAL COMMERCIAL <h1>INVOICE</h1> CERTIFICATE OF ORIGIN	
Ultimate Destination: Dart Aerospace Ltd 823 McTavish Rd NE Calgary AB T2E 7G9 Canada		Shipped: 05-May-2014		FOB: ORIGIN	
		Shipper's Export Declaration (SED): NO EEI 30.36			
Intermediate Consignee:		Bill To: Dart Aerospace 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada			
		Tax Number:			
Forwarding Agent:		Billing Attention: Shipping: Harvey Siemens Attention: Contact:			

Line	Description	Qty & Unit	Unit Price	Extension
1	91985A131 Steel Spiral Internal Retaining Ring, for 5/8" Bore Diameter, Packs of 25 Country of Origin: United States Schedule B #: 731824 ECCN #: EAR99 NLR	1 PK	\$8.60	\$8.60
	NOTE Tracking number(s) for this shipment: 553903073901			
This transaction is subject to McMaster-Carr Supply Company's terms and conditions of sale. No other terms and conditions of sale shall apply to this transaction. These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				
Shipping Weight (in kgs): 1		Number of Packages: 1		Invoice Amounts:
Package Dimensions: 8 X 17 X 25 CM = .003 CUBIC M		Merchandise Amount:		\$8.60
		Total (In USD):		\$8.60
Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days				
Authorized Signature: 		Date: 05-May-2014		Remit payment to: (by mail) McMaster-Carr Supply Company PO Box 7690 Chicago, IL 60680-7690 USA
Name: Jason Wolfe		Title: Operations Mgr.		(by wire transfer) Bank of America Illinois 231 S LaSalle Chicago, IL 60697 ABA 071000039 Account 86666-02021 SWIFT BOFAUS3N

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Tax Number:

Billing
Attention:
Shipping Harvey Siemens
Attention:
Contact:

These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.

Remit payment to: (by wire transfer)
Bank of America Illinois
231 S LaSalle
Chicago, IL 60697
(by mail) ABA 071000039 Account 86666-02021
McMaster-Carr Supply Company SWIFT BOFAUS3N
PO Box 7690
Chicago, IL 60680-7690 USA

Page 1 of 1

Work Order ID 117922

Monday, May 05, 2014 1:58:34 PM

117922

Page 1

Item ID: D5073-1

Revision ID:

Item Name: Snap Ring

Start Date: 5/7/2014 Start Qty: 25.00

Required Date: 5/7/2014 Req'd Qty: 25.00

Reference:

Accept

N900040100Setup Start ***NS1***Stop ***NS2***

Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____

QC: _____ Date: _____

Tooling: _____ Date: _____

SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool # Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5073

A

110

110

Purchasing

Purchasing

Memo

Issue P/O: 24081

Discription: Snap Ring

Supplier: McMasterCarr

Supplier P/N: 91985A131

C OF C note is required.

0.00

0.00

DAS
42

9-89

MAY 06 2014

120

120

Packaging

Packaging

Receive & Inspect for Damage & Mat'l Certs

Memo

C OF C note is required.

0.00

0.00

DAS
42

9-89

MAY 06 2014

Work Order ID 117922

Monday, May 05, 2014 1:58:34 PM

117922

Page 2

Item ID: D5073-1

Revision ID:

Item Name: Snap Ring

Start Date: 5/7/2014 Start Qty: 25.00

Required Date: 5/7/2014 Req'd Qty: 25.00

Reference:

Accept

N900040100Setup Start ***NS1***Stop ***NS2***



Cust Item ID:

Customer:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start ***NR1***Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130 *130* QC Quality Control	QC6- Inspect dimensions to drawing Memo	0.00 0.00					DAS 42 9-89	MAY 06 2014	
140 *140* Packaging Packaging	Identify as per dwg & Stock Location: _____ Memo	0.00 0.00					DAS 42 9-89	MAY 06 2014	
150 *150* QC Quality Control	QC21- Final Inspection - Work Order Release Memo	0.00 0.00							

MLJ 14-05-06CL14105106

Picklist Print

Monday, May 05, 2014 1:59:00 PM

Page 1

Work Order ID: 117922

117922

Parent Item: D5073-1

D5073-1

Parent Item Name: Snap Ring

Start Date: 5/7/2014

Required Date: 5/7/2014

Start Qty: 25.00

Required Qty: 25.00

Comments: IPP REV:A 14.04.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
91985A131		Purchased		No			Each	0.0000		25			
91985A131										**			
Snap Ring													

DAS
42
9-89

MAY 06 2014



200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
823 McTavish Rd NE
Calgary AB T2E 7G9
Canada
Attention: Harvey Siemens

Purchase Order
PO24081

Page 1 of 1

Order Placed By
Chantal Lavoie

05/05/2014

McMaster-Carr Number
3412848-01

Line	Description	Ordered	Shipped
1	91985A131 Steel Spiral Internal Retaining Ring, for 5/8" Bore Diameter, Packs of 25	1 Pack	1

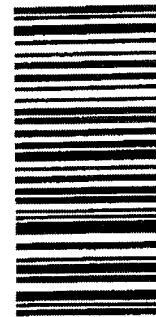
3 - 325 - 03 03 - 06 A131 1 PK 1

Dart Aerospace Ltd

INV

Sm

Boxed Bin
Straight



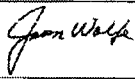
1 lb
1 line

FW1BSP42
05/05/2014
13:19/13:57
030
Cycle 51



McMaster-Carr Supply Company 200 Aurora Industrial Pkwy Aurora, OH 44202-8087 USA Phone: 330-995-5500 Fax: 330-995-9600 E-Mail: cde.sales@mcmaster.com Employer Identification Number (EIN): 36-1458720		Invoice: 83668567 Purchase Order: PO24081 Release: McMaster-Carr Number: 3412848-01		ORIGINAL COMMERCIAL <h1>INVOICE</h1> CERTIFICATE OF ORIGIN	
Ultimate Destination: Dart Aerospace Ltd 823 McTavish Rd NE Calgary AB T2E 7G9 Canada		Shipped: 05-May-2014		FOB: ORIGIN	
Intermediate Consignee:		Shipper's Export Declaration (SED): NO EEI 30.36			
Forwarding Agent:		Bill To: Dart Aerospace 1270 Aberdeen St Hawkesbury ON K6A 1K7 Canada			
		Tax Number:			
		Billing Attention:			
		Shipping Attention: Harvey Siemens			
		Contact:			

Line	Description	Qty & Unit	Unit Price	Extension
1	91985A131 Steel Spiral Internal Retaining Ring, for 5/8" Bore Diameter, Packs of 25 Country of Origin: United States Schedule B #: 731824 ECCN #: EAR99 NLR NOTE Tracking number(s) for this shipment: 553903073901	1 PK	\$8.60	\$8.60
This transaction is subject to McMaster-Carr Supply Company's terms and conditions of sale. No other terms and conditions of sale shall apply to this transaction. These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				

Shipping Weight (In kgs): 1		Number of Packages: 1		Invoice Amounts: Merchandise Amount: \$8.60 Total (In USD): \$8.60	
Package Dimensions: 8 X 17 X 25 CM = .003 CUBIC M				Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days	
Authorized Signature: 		Date: 05-May-2014		Remit payment to: (by mail) McMaster-Carr Supply Company PO Box 7690 Chicago, IL 60680-7690 USA	
Name: Jason Wolfe		Title: Operations Mgr.		(by wire transfer) Bank of America Illinois 231 S LaSalle Chicago, IL 60697 ABA 071000039 Account 86666-02021 SWIFT BOFAUS3N	

Work Order ID 117922

Monday, May 05, 2014 1:39:28 PM

117922

Page 1

Item ID: D5073-1

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Snap Ring

Start Date: 5/7/2014 Start Qty: 25.00

25

Cust Item ID:

Required Date: 5/7/2014 Req'd Qty: 25.00

25

Customer:

Reference:

Approvals:

Process Plan:

CLDate: 14/05/05

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D5073

A

0.00

0.00

110

110

Purchasing

Purchasing

Memo

Issue P/O: 24081

Discription: Snap Ring

Supplier: McMasterCarr

Supplier P/N: 91985A131

C OF C note is required.

CL 14/05/05 (25)

120

Receive & Inspect for Damage & Mat'l Certs

0.00

120

Packaging

Packaging

Memo

C OF C note is required.

0.00

Work Order ID 117922

Monday, May 05, 2014 1:39:28 PM

117922

Page 2

Item ID: D5073-1

Revision ID:

Item Name: Snap Ring

Start Date: 5/7/2014

Start Qty: 25.00

25

Required Date: 5/7/2014

Req'd Qty: 25.00

25

Reference:

Accept

N900040100

Setup

Start

NS1

Stop

NS2

Cust Item ID:

Customer:

Approvals:

Process Plan: _____

Date: _____

Tooling: _____

Date: _____

QC: _____

Date: _____

SPC (Y/N): _____

Date: _____

Run

Start

NR1

Stop

NR2Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130

QC6- Inspect dimensions to drawing

0.00

130

QC

Memo

0.00

Quality Control

140

Identify as per dwg & Stock Location: _____

0.00

140

Packaging

Memo

0.00

Packaging

150

QC21- Final Inspection - Work Order Release

0.00

150

QC

Memo

0.00

Quality Control

Picklist Print

Monday, May 05, 2014 1:39:27 PM

Page 1

Work Order ID: 117922

1 17922

Parent Item: D5073-1

D5073-1

Parent Item Name: Snap Ring

Start Date: 5/7/2014**Required Date:** 5/7/2014

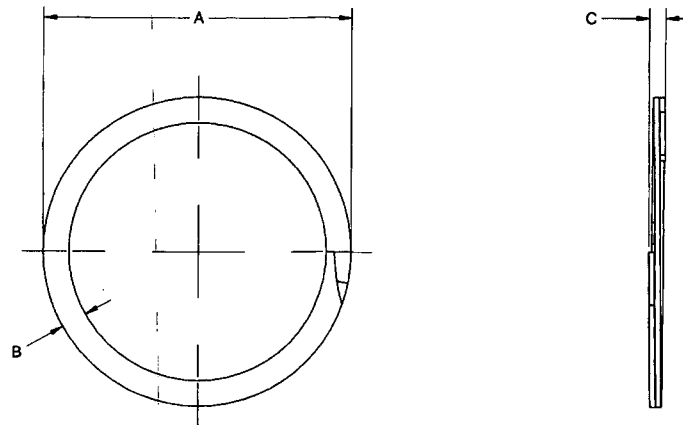
Start Qty: 25.00

Required Qty: 25.00

Comments: IPP REV:A 14.04.09 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
91985A131		Purchased	No				Each	0.0000		25			
91985A131													
Snap Ring													

SPECIFICATION CONTROL DRAWING



D5073-X SNAP RING

DART PART NUMBER	DESCRIPTION	A	B	C	VENDOR	VENDOR PART NUMBER	MATERIAL
D5073-1	SNAP RING	0.675+0.013/-0.000	0.055±0.004	0.035±0.002	MCMASTER CARR	91985A131	STEEL

Q14105105
Q10.117922

- NOTES:
- 1) MATERIAL: PER TABLE
 - 2) FINISH: N/A
 - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
 - 6) IDENTIFICATION: N/A
 - 7) WEIGHT: N/A

RELEASED
2014-04-04

A		NEW ISSUE		VS	14.02.20
REV.	DESCRIPTION			BY	DATE
DESIGN	VS	DART AEROSPACE USA, INC.			
DRAWN	VS	KENT, WA			
CHECKED	DC	DRAWING NO.			REV. A
MFG. APPR.	JLM	D5073			SHEET 1 OF 1
APPROVED	HS	TITLE			SCALE
DE APPR.	DS	SNAP RING			NTS
DATE		14.02.20			

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